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R0315

Transmitted Via UPS Next Day Air

February 24, 2004

Mr. Amir K. Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Re: Groundwater Monitoring & Sampling March 2003
UPS – Oakland Hub
8400 Pardee Drive
Oakland, California
State ID # 583
BBL Project #: 36768.03

Dear Mr. Gholami:

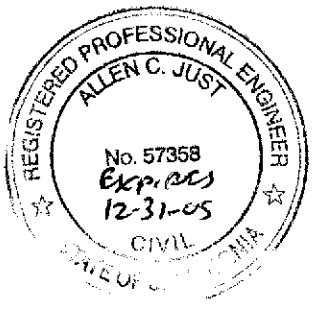
On behalf of United Parcel Service (UPS), Blasland, Bouck & Lee, Inc. (BBL) is transmitting herewith the Second Semi-Annual 2003 Monitoring & Sampling Report for the above-referenced facility. This report describes groundwater monitoring efforts performed at the site in September 2003. The groundwater monitoring events were conducted in accordance with the Work Plan approval letter, dated August 8, 1997, from the Alameda County Health Care Services Agency. If you have any questions regarding this report, please doe not hesitate to contact me at (770) 428-9009 extension 11.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Hugh B. Devery
Senior Geologist

Allen C. Just, P.E.
Senior Engineer



DPP/mrs

cc: Linda Lyons, UPS w/ attachments
File

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Year 2003 Second Semi-Annual Monitoring & Sampling Report

UPS – Oakland Hub
8400 Pardee Drive
Oakland, California

State ID # 583

United Parcel Service
55 Glenlake Parkway, NE
Atlanta, Georgia 30328

January 2004

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TECHNICAL REPORT

Year 2003 Second Semi-Annual Monitoring & Sampling Report

UPS – Oakland Hub
8400 Pardee Drive
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1 Groundwater Monitoring & Sampling

1.1. Introduction

United Parcel Service (UPS) retained Blasland, Bouck & Lee, Inc. (BBL) to perform groundwater monitoring at the UPS-Oakland Center located at 8400 Pardee Drive, Oakland, California (**Figures 1** and **2**). This report describes results of groundwater monitoring performed in September 2003. Groundwater monitoring was conducted in accordance with the Alameda County Health Care Services (ACHCS)–approved work plan (BBL, August 1997).

Groundwater samples were collected from groundwater monitoring wells MW-1 and MW-3 on September 9, 2003 and from monitoring wells MW-2 and OW-1 on September 25, 2003. The field activities were conducted in accordance with the groundwater monitoring procedures described in **Appendix A**. Water levels were measured prior to purging the wells. Purge water was monitored to document stabilization of pH, temperature, and conductivity parameters (**Appendix B**). Disposal of purged water is described in Section 1.4.

1.2. Water Levels

Depths to water in the four monitoring wells were measured on September 25, 2003. Static fluid levels in the wells were measured to an accuracy of 0.01-ft using an electronic interface probe that is capable of detecting water and phase-separated hydrocarbon (PSH). Depth to water and PSH, if present, were recorded. Measured depths ranged from 4.06 feet below top of casing (btoc) in MW-3 to 6.52 feet btoc in OW-1 (**Table 1**). An apparent thickness of 0.01 feet was detected in monitoring wells MW-2 and OW-1. Groundwater elevations in monitoring wells MW-1 through MW-3 in September 2003 were approximately 0.57 feet lower on average than water levels measured in March 2002. A generalized groundwater contour map prepared using the September 2003 groundwater elevation data is shown on **Figure 3.** Groundwater flow is to the southwest, which agrees with historical direction.

1.3. Water Quality

Groundwater samples were collected from monitoring wells MW-1 and MW-3 on September 9, 2003 and from monitoring wells MW-2 and OW-1 on September 25, 2003. The thin amount of PSH was bailed off prior to sampling wells MW-2 and OW-1. The samples were analyzed for the following analytes: total petroleum hydrocarbons as diesel (TPH-d) by United States Environmental Protection Agency (USEPA) Method 8015M; TPH-g (gasoline) by either USEPA Method 8015M or 8260B; and benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) by USEPA Method 8260B. Analyses were conducted by STL in Pleasanton, CA, certified for environmental analyses by the California Department of Health Services (certificate number: 2496). Summaries of the groundwater analytical data are presented in **Table 2** and on **Figure 4**. The laboratory analytical results and chain-of-custody documentation are attached as **Appendix C**.

Toluene and total xylenes were detected above the primary drinking water maximum contaminant levels (MCL) of Title 2 of the California Code of Regulations in the groundwater sample collected from well OW-1 with concentrations of 530 micrograms per liter (ug/L) and 6,200 ug/L, respectively. No additional BTEX/MTBE analytes were detected above the MCL in any of the remaining groundwater samples collected during the September 2003 monitoring event. TPH-g was detected in monitoring wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 0.44 milligrams per liter (mg/L), MW-2 with a concentration of 0.15 mg/L, MW-3 with a concentration of 0.7 mg/L and OW-1 with a concentration of 0.22 mg/L. TPH-d was detected in wells MW-1, MW-2, MW-3 and OW-1; MW-1 with a concentration of 11 mg/L, MW-2

with a concentration of 12 mg/L, MW-3 with a concentration of 73 mg/L and OW-1 with a concentration of 91 mg/L. There is currently no established MCLs for TPH-g or TPH-d.

1.4. Purge Water Handling

The water generated from groundwater sampling activities was contained in 55-gallon drums and stored at the UPS center pending proper disposal.

1.5. Summary

1. Groundwater samples were collected on September 9 and 25, 2003 and analyzed for BTEX, MTBE, TPH-g and TPH-d.

2. Measured depths to water ranged from 4.06 feet btoc in MW-3 to 6.52 feet btoc in OW-1. Groundwater elevations in monitoring wells MW-1 through MW-3 in March 2003 were approximately 0.57 feet lower on average than water levels measured in March 2003. Groundwater flow direction was to the southwest, which is consistent with historical data.

3. Toluene and total xylenes were only analytes detected above their respective MCLs in the groundwater sample collected from well OW-1. BTEX/MTBE analytes were not detected above the MCL in any of the remaining monitoring wells.

4. TPH-g concentrations ranged from 0.15 mg/L to 0.7 mg/L in monitoring wells MW-1, MW-2, MW-3 and OW-1. TPH-d concentrations ranged from 11 mg/L to 91 mg/L in wells MW-1, MW-2, MW-3 and OW-1. There is currently no established MCLs for TPH-g or TPH-d.

References:

Blasland, Bouck & Lee, Inc., 1997. Work Plan for UPS Distribution Center, 8400 Pardee Drive, Oakland, California.

FIGURES

UPS-Oakland Center

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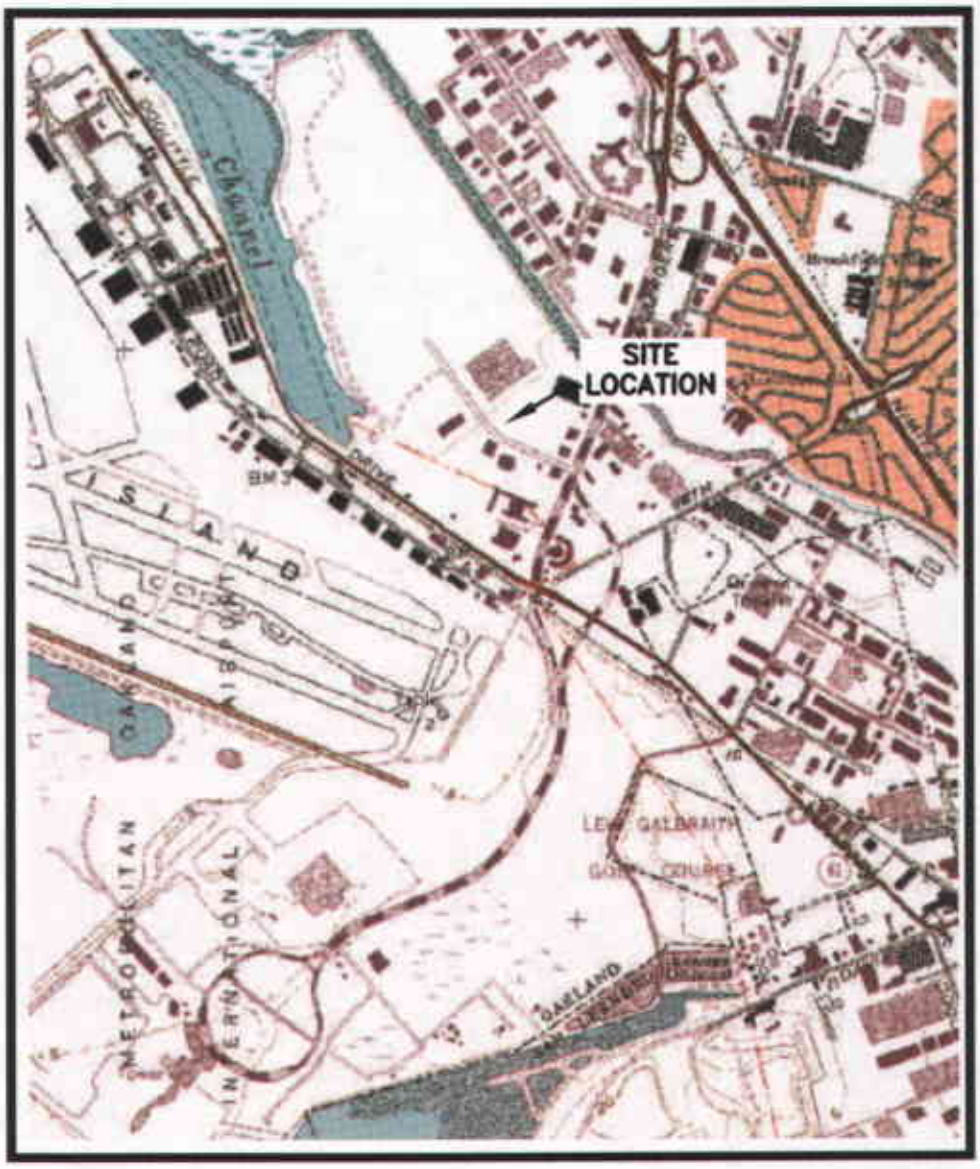

NOTES:

1. Base Map Source: USGS 7.5 Min. Topo. Quad., San Leandro, Calif.(1993)
2. Property Location is Approximate Only.

0 2000' 4000'

APPROXIMATE SCALE: 1"=2000'

L: OFF=REF
P: STD-PCP/AP
1/28/03 IRV-35-JMS
F:/BBM/CAD/2003PROJ/3894801R/3894851.DWG

UNITED PARCEL SERVICE, INC.
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA

TOPOGRAPHIC MAP OF SITE LOCATION AND VICINITY

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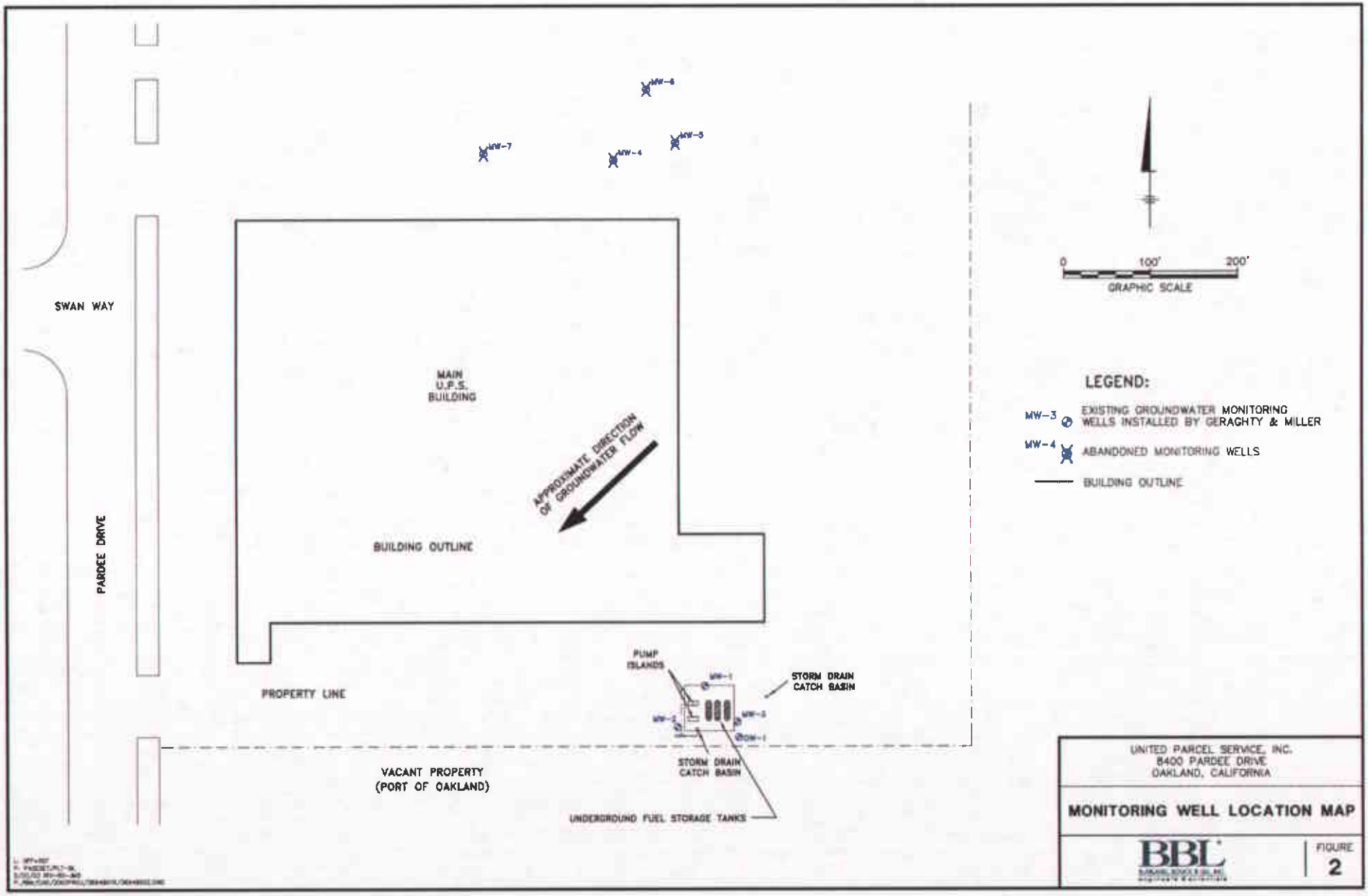
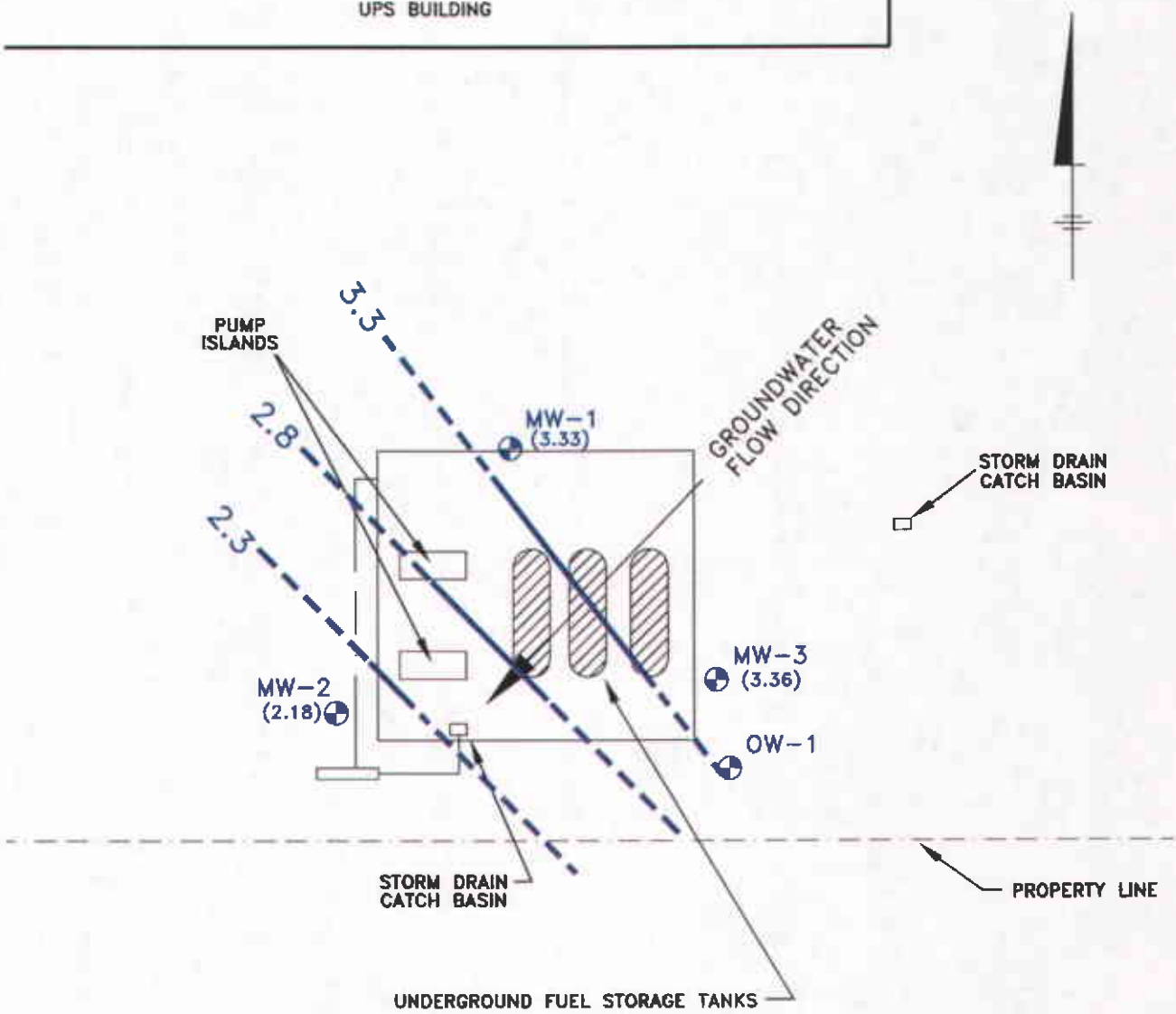
FIGURE
1


MW-6
MW-7
MW-4
MW-5
SWAN WAY
PARDEE DRIVE
MAIN
U.P.S.
BUILDING
APPROXIMATE DIRECTION
OF GROUNDWATER FLOW
BUILDING OUTLINE
PROPERTY LINE
PUMP
ISLANDS
MW-1
MW-2
MW-3
STORM DRAIN
CATCH BASIN
STORM DRAIN
CATCH BASIN
VACANT PROPERTY
(PORT OF OAKLAND)
UNDERGROUND FUEL STORAGE TANKS
0
100'
200'
GRAPHIC SCALE
LEGEND:
MW-3 EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER
MW-4 ABANDONED MONITORING WELLS
BUILDING OUTLINE
UNITED PARCEL SERVICE, INC.
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
MONITORING WELL LOCATION MAP
BBL
FIGURE
2



LEGEND:

MW-1 (3.33) EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER (GROUNDWATER TABLE ELEVATION IN FEET ABOVE MSL)

—2.8— GROUNDWATER ELEVATION CONTOUR

NOTES: 1. OW-1 WAS NOT USED TO GENERATE CONTOURS.

2. MEASURED 9/25/03

0 30' 60'

GRAPHIC SCALE

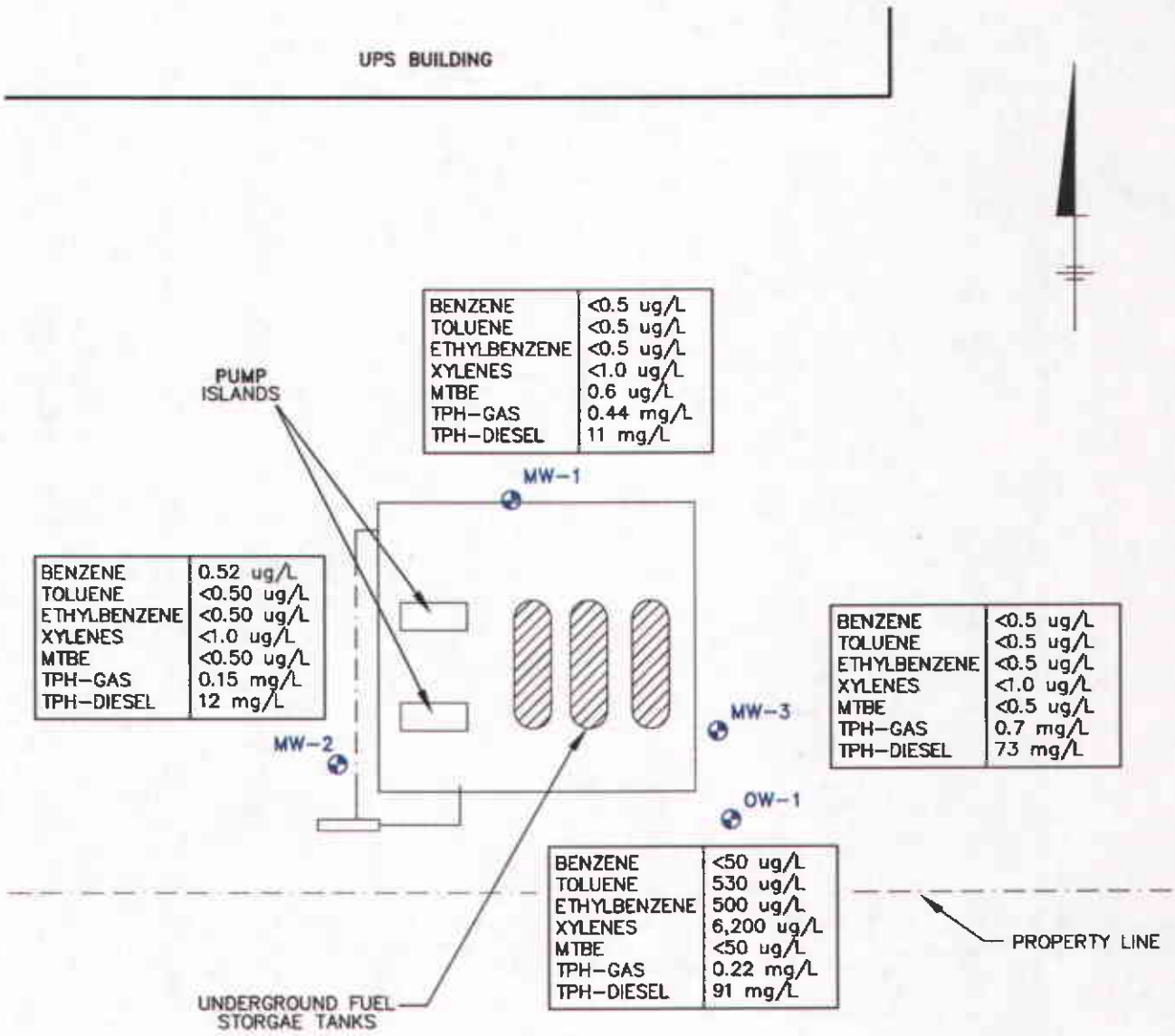
L: OFF=REF
P: PAGESET/PLT-AP
11/4/03 IRV-BO-JMS
F:/BM/CAD/2003PROJ/36946DW4.DWG

UNITED PARCEL SERVICE, INC.
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA

GROUNDWATER CONTOUR MAP SEPTEMBER 2003

BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 3



LEGEND:

MW-1 EXISTING GROUNDWATER MONITORING WELLS INSTALLED BY GERAGHTY & MILLER

ug/L MICROGRAMS PER LITER

mg/L MILLIGRAMS PER LITER

MW-1, MW-3 SAMPLED 9/9/03

MW-2, OW-1 SAMPLED 9/25/03

0 30' 60'

GRAPHIC SCALE

L: OFF=REF
P: PAGESET/PLT-AP
11/4/03 IRV-80-JMS
F:/BM/CAD/2003PROJ/3694601R/36946C03.DWG

UNITED PARCEL SERVICE, INC.
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA

GROUNDWATER QUALITY MAP SEPTEMBER 2003

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FIGURE 4

TABLES

UPS-Oakland Center

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TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-1	7.43	8/28/1990	3.80	3.63	—	Sheen
		9/20/1990	3.99	3.44	-0.19	None
		6/19/1991	3.47	3.96	0.52	NM
		7/23/1991	3.70	3.73	-0.23	NM
		8/26/1991	3.92	3.51	-0.22	NM
		11/18/1991	4.21	3.22	-0.29	NM
		2/3/1992	3.99	3.44	0.22	NM
		6/29/1992	3.38	4.05	0.61	NM
		6/23/1993	2.72	4.71	0.66	NM
		10/11/1993	3.87	3.56	-1.15	NM
		1/4/1994	3.34	4.09	0.53	NM
		5/10/1994	2.14	5.29	1.20	NM
		2/1/1995	1.84	5.59	0.30	NM
		8/2/1995	3.10	4.33	-1.26	NM
		10/16/1995	3.75	3.68	-0.65	NM
		12/28/1995	3.56	3.87	0.19	NM
		6/4/1997	3.16	4.27	0.40	None
		6/3/1998	NM	N/A	N/A	Sheen
		9/30/1999	3.75	3.68	N/A	Light Sheen
		10/11/2000	3.88	3.55	-0.13	Light Sheen
		9/3/2002	3.73	3.70	0.15	None
		10/22/2002	5.11	2.32	-1.38	0.05
		12/23/2002	3.51	3.92	1.60	None
		3/28/2003	3.52	3.91	-0.01	None
		6/20/2003	3.50	3.93	0.02	None
		7/14/2003	3.65	3.78	-0.15	None
		8/25/2003	3.87	3.56	-0.22	Sheen
		9/9/2003	4.02	3.41	-0.15	None
		9/25/2003	4.10	3.33	-0.08	None
		10/28/203	4.29	3.14	-0.19	None

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-2	7.15	8/28/1990	4.98	2.17	--	Sheen
		9/20/1990	4.94	2.21	0.04	N/A
		6/19/1991	4.66	2.49	0.28	N/A
		7/23/1991	4.81	2.34	-0.15	N/A
		8/26/1991	4.89	2.26	-0.08	N/A
		11/18/1991	4.93	2.22	-0.04	N/A
		2/3/1992	4.44	2.71	0.49	N/A
		6/29/1992	4.80	2.35	-0.36	N/A
		6/23/1993	4.38	2.77	0.42	N/A
		10/11/1993	5.20	1.95	-0.82	N/A
		1/4/1994	4.56	2.59	0.64	N/A
		5/10/1994	4.20	2.95	0.36	N/A
		2/1/1995	4.00	3.15	0.2	N/A
		8/2/1995	4.71	2.44	-0.71	N/A
		10/16/1995	5.02	2.13	-0.31	N/A
		12/28/1995	4.56	2.59	0.46	N/A
		6/12/1996	NM	N/A	N/A	0.25
		6/4/1997	6.02	1.13	N/A	Small globules
		9/30/1999	4.95	2.20	1.07	Light sheen
		10/11/2000	4.97	2.18	-0.02	0.08
		9/3/2002	5.02	2.13	-0.05	0.07
		9/27/2002	4.89	2.26	0.13	0.09
		12/23/2002	4.25	2.90	0.64	0.04
		2/12/2003	4.26	2.89	-0.01	0.01
		3/28/2003	4.35	2.80	-0.09	0.01
		6/20/2003	4.55	2.60	-0.20	0.01
		7/14/2003	4.56	2.59	-0.01	0.00
		8/25/2003	4.79	2.36	-0.23	0.01
		9/9/2003	4.90	2.25	-0.11	0.01
		9/25/2003	4.97	2.18	-0.07	0.01
		10/28/2003	4.98	2.17	-0.01	0.04

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date Sampled	Depth to Groundwater (ft)	Groundwater Elevation (ft)	Change in Measurement (ft)	Product Thickness (ft)
MW-3	7.42	8/28/1990	3.88	3.54	--	Sheen
		9/20/1990	3.99	3.43	-0.11	N/A
		6/19/1991	3.49	3.93	0.50	N/A
		7/23/1991	3.71	3.71	-0.22	N/A
		8/26/1991	3.94	3.48	-0.23	N/A
		11/18/1991	4.23	3.19	-0.29	N/A
		2/3/1992	4.01	3.41	0.22	N/A
		6/29/1992	3.40	4.02	0.61	N/A
		6/23/1993	2.75	4.67	0.65	N/A
		10/11/1993	3.84	3.58	-1.09	N/A
		1/4/1994	3.40	4.02	0.44	N/A
		5/10/1994	2.25	5.17	1.15	N/A
		2/1/1995	2.43	4.99	-0.18	N/A
		8/2/1995	3.20	4.22	-0.77	N/A
		10/16/1995	3.72	3.70	-0.52	N/A
		12/28/1995	3.56	3.86	0.16	N/A
		6/4/1997	3.20	4.22	0.36	None
		6/3/1998	NM	N/A	N/A	Sheen
		9/30/1999	3.72	3.70	-0.52	Light sheen
		10/11/2000	3.88	3.54	-0.16	Light Sheen
		9/3/2002	3.75	3.67	0.13	0.00
		12/23/2003	3.50	3.92	0.25	0.00
		3/28/2003	3.56	3.86	-0.06	0.00
		6/20/2003	3.52	3.90	0.04	0.00
		7/14/2003	3.65	3.77	-0.13	0.00
		8/25/2003	3.99	3.43	-0.34	0.00
		9/9/2003	3.99	3.43	0.00	0.00
		9/25/2003	4.06	3.36	-0.07	0.00
		10/28/2003	4.15	3.27	-0.09	0.00
OW-1	N/A	6/4/1997	7.22	NC	---	Trace
		9/30/1999	8.35	NC	-1.13	0.01
		10/11/2000	6.90	NC	1.45	0.09
		10/22/2002	7.34	NC	-0.44	0.01
		9/27/2002	7.02	NC	0.32	0.14
		12/23/2002	5.17	NC	1.85	0.03
		1/16/2003	4.97	NC	0.20	0.01
		2/12/2003	5.23	NC	-0.26	0.01
		3/28/2003	5.16	NC	0.07	0.01
		6/20/2003	4.93	NC	0.23	0.01
		7/14/2003	5.33	NC	-0.40	0.00
		8/28/2003	5.85	NC	-0.52	0.00
		9/9/2003	6.33	NC	-0.48	Sheen
		9/25/2003	6.52	NC	-0.19	0.01
		10/28/2003	7.26	NC	0.74	0.03

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. NM = Not measured; NC = Not calculated; N/A= Not Available

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-1	8/28/1990	**3**	1.4	**4**	2.4	NA	NA	21	NA
	6/19/1991	**1.7**	0.7	0.5	0.9	NA	NA	7.1	NA
	7/23/1991	**1.6**	1.1	0.5	1.5	NA	0.22	8.7	NA
	8/26/1991	**180**	120	31	160	NA	NA	2.8	NA
	11/18/1991	**1.1**	0.4	0.5	< 0.3	NA	NA	6.6	NA
	2/3/1992	0.9	< 0.3	0.8	0.7	NA	NA	2.2	NA
	6/29/1992	0.8	0.4	0.4	0.9	NA	NA	2.1	NA
	6/23/1993	0.66	< 0.5	0.5	< 0.5	NA	NA	3.2	NA
	10/11/1993	**1.3**	< 0.5	< 0.5	< 0.5	NA	NA	9.6	NA
	1/4/1994	**2.1**	0.65	1.3	2.1	NA	NA	12	NA
	5/10/1994	0.54	0.53	< 0.5	1.1	NA	NA	6.4	NA
	2/1/1995	< 1.0	< 1.0	1	< 1.0	NA	0.51	10	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.51	8.7	NA
	10/16/1995	**2.8**	< 0.5	< 0.5	< 0.5	NA	0.83	15	NA
	12/28/1995	**2.1**	< 0.5	< 0.5	< 0.5	NA	0.56	15	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	28	0.76
	9/30/1999	< 0.5	0.6	< 0.5	1.8	<3	1.6	28	9.9
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5	0.26	21	0.39
	9/3/2002	<0.5	<0.5	<0.5	0.5	<0.5	1.2	38	NA
	3/28/2003	<5	<5	<5	<10	<5.0	0.25	35	NM
	9/9/2003	<0.5	<0.5	<0.5	<1.0	0.6	0.44	11	NM
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections above MCL.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-2	8/28/1990	0.6	0.4	0.6	0.7	NA	NA	3.5	NA
	6/19/1991	0.5	< 0.3	< 0.3	< 0.3	NA	NA	<0.50	NA
	7/23/1991	0.7	< 0.3	< 0.3	< 0.3	NA	<0.50	0.66	NA
	8/26/1991	0.7	< 0.3	< 0.3	< 0.3	NA	NA	<0.50	NA
	11/18/1991	0.8	< 0.3	< 0.3	< 0.3	NA	NA	3.2	NA
	2/3/1992	0.7	< 0.3	< 0.3	0.5	NA	NA	0.4	NA
	6/29/1992	0.6	< 0.3	< 0.3	< 0.3	NA	NA	0.25	NA
	6/23/1993	0.55	< 0.5	< 0.5	< 0.5	NA	NA	11	NA
	10/11/1993	**1.2**	< 0.5	< 0.5	1.3	NA	NA	1.4	NA
	1/4/1994	0.72	< 0.5	< 0.5	1.1	NA	NA	3.7	NA
	5/10/1994	0.74	< 0.5	< 0.5	0.7	NA	NA	2.3	NA
	2/1/1995	**2.1**	< 1.0	< 1.0	< 1.0	NA	<100	2.1	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.21	3.6	NA
	10/16/1995	0.73	< 0.5	< 0.5	< 0.5	NA	0.13	1.4	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.21	2.8	NA
	6/12/1996	NS	NS	NS	NS	NS	NS	–	NS
	6/4/1997	NA	NA	NA	NA	NA	NA	3.3	0.52
	9/30/1999	< 0.5	< 0.5	< 0.5	< 1.0	< 3.0	0.22	6.3	9.5
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	0.17	4.4	0.43
	9/27/2002	0.7J	<2.5	<2.5	<2.5	<2.5	17	67	NM
	3/28/2003	<25	<25	<25	<50	<25	1.6	10	NM
	9/25/2003	0.52	<0.50	<0.50	<1.0	<0.50	0.15	12	NM
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections above MCL.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TPH as gasoline (mg/L)	TPH as diesel (mg/L)	D.O. (mg/L)
MW-3	8/28/1990	0.5	0.8	4.3	2.3	NA	NA	18	NA
	6/19/1991	0.4	0.4	1.7	1.4	NA	NA	1.3	NA
	7/23/1991	0.3	< 0.3	1.5	0.5	NA	0.33	6.8	NA
	8/26/1991	**13**	13	5.8	26	NA	NA	<0.05	NA
	11/18/1991	0.6	< 0.3	< 0.3	< 0.3	NA	NA	2.5	NA
	2/3/1992	0.4	< 0.3	1.3	0.6	NA	NA	1.1	NA
	6/29/1992	< 0.3	< 0.3	1.3	0.3	NA	NA	3.2	NA
	6/23/1993	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	8.1	NA
	10/11/1993	**1**	< 0.5	1.5	2.4	NA	NA	7.1	NA
	1/4/1994	< 0.5	< 0.5	1.6	< 0.5	NA	NA	7.4	NA
	5/10/1994	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	5.7	NA
	2/1/1995	< 1.0	< 1.0	2.7	4.1	NA	0.81	10	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	1.2	6.5	NA
	10/16/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.93	9.8	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	0.69	11	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	34	0.84
	9/30/1999	< 0.5	0.6	0.7	1.2	< 3.0	1.3	8.7	8.6
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	0.43	20	0.51
	9/3/2002	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	14	NA
	3/28/2003	<25	<25	<25	<50	<25	2.5	19	NM
	9/9/2003	<0.5	<0.5	<0.5	<1.0	<0.5	0.7	73	NM
OW-1	6/23/1993	< 0.5	< 0.5	< 0.5	31.0	NA	NA	3,400	NA
	6/4/1997	NS	NS	NS	NS	NS	NS	NS	NS
	9/30/1999	< 2.0	< 2.0	< 2.0	4.2	< 12.0	8.3	2,800	9.7
	9/30/1999	< 1.0	< 1.0	1.9	8.9	< 6.0	2.9	340	--
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	2.1	58	0.74
	9/27/2002	0.6J	<2.5	<2.5	<2.5	<2.5	17	23	NA
	3/28/2003	<50	<50	<50	<100	<50	0.82	81	NM
	9/25/2003	<50	**530**	500	**6,200**	<50	0.22	91	NM
MCL	--	1	150	700	1,750	13	--	--	--

Notes:

(µg/L) = are micrograms per liter and mg/L are milligrams per liter.

NA = Not Analyzed; NS = Not Sampled; ND = Not Detected

TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.

Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.

D.O. = Dissolved Oxygen measured in the field.

Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).

Bold values indicate analytical detections.

The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.

J - Estimated value between MDL and PQL.

Appendix A

Standard Procedures for Groundwater Monitoring & Sampling UPS-Oakland Center

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engineers & scientists

STANDARD FIELD PROCEDURES FOR GROUNDWATER MONITORING AND WELL SAMPLING

Standard field procedures for groundwater sampling for UPS are as follows during the quarterly monitoring events.

Groundwater sampling Procedure

Prior to the collection of groundwater samples at the subject property, each well is sounded to determine depth to water and total well depth using an electronic interface probe. From this data, the wetted casing volume is calculated for each monitoring well. The electric sounder is cleaned in a solution of Liquinox or equivalent and water, and triple-rinsed with de-ionized water before and after measuring each well.

The wells are purged a minimum of three wetted casing volumes prior to sampling utilizing a new disposable Teflon bailer or properly decontaminated submersible pump. Purged water from the casing and gravel pack is contained in labeled, sealed, DOT-approved 55-gallon drums. This purge water is stored on-site in a designated hazardous waste storage area until proper disposal can be determined based on groundwater sampling laboratory results.

Dedicated latex surgical gloves and string are used when sampling each well. A new disposable teflon bailer is used to sample each well to avoid the potential for cross-contamination. Upon collection, the groundwater samples are transferred from the Teflon sampling bailer to clean, laboratory-provided, sample containers. The sample containers are filled, labeled and sealed with teflon-lined screw lids and septa. The sample containers are double-bagged in self-locking plastic bags to prevent cross-contamination, placed on ice to prevent possible volatilization, and transported to a California state certified laboratory. Transportation of the samples follows industry standard chain-of-custody protocol.

Decontamination Procedures

The non-disposable field drilling and sampling equipment is cleaned prior and after use. Field equipment is cleaned with a solution of Liquinox (or equivalent) and water. Prior to each use all field equipment is subsequently, triple rinsed with the final being de-ionized water. Field equipment decontamination quality assurance is validated by obtaining an equipment field blank sample if applicable. The purge water and decontamination water is collected in 55-gallon DOT approved drums and temporarily stored on-site pending laboratory analysis.

Appendix B

Well Gauging Data
UPS-Oakland Center

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MULTIPLE WELL MEASUREMENTS

BLASLAND, BOUCK & LEE
ENGINEERS & GEOSCIENTISTS

Project No. _____
Site Location UPS-Oakland
Instrument Type _____

2003

Well No.	Date	Time	Total Depth	DTW	well Stickup Dia	Psh Well Depth	Held	Remarks (Well Diameter, Construction Type, Cap, Grout Condition, Locked)
1	9/9		14—	4.02	4	—		
2	"		14.37	4.90	4	4.90		
3	"		14.43	3.99	4	—		
ow-1	9/9		18.32	6.33	5	new		1" bolt downs

NOTES (Visitors, Well Condition, Odors, Hazards) Dave Hillet 510-633-3974 UPS
Tod Granicher 925-484-1919 SOL

BB&L Personnel (Signatures) _____

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WATER SAMPLING LOG

Project No. UPS - Oakland Hub Page _____ of _____

Site Location 6400 Preston Dr., Oakland.

~~Site~~/Well No. _____ Coded/ Replicate No. _____ Date 9/ /03

Weather _____ Time Sampling Began _____ Time Sampling Completed _____

EVACUATION DATA

Description of Measuring Point (MP) Top - of - Casing

Height of MP Below Land Surface _____ (feet)
Total Sounded Depth (TD) of Well Below MP _____ (feet)
Depth to Water (DTW) Below MP _____ (feet)

MP Elevation _____ (feet)
Water-Level Elevation _____ (feet)
Diameter of Casing/ Construction Type _____
Gallons Pumped/Bailed Prior to Sampling (GAL x 5 VOL x PUMP RATE) _____

Water Column (WC) in Well (TD - DTW) _____ (feet)
Gallons per Foot (GPF) _____
Gallons in Well (WC x GPF) _____

Sampling Pump Intake (feet below land surface) _____

Evacuation Method _____

SAMPLING DATA/FIELD PARAMETERS

Color _____ Odor _____ Appearance _____ Temperature / / °F/°C

Other (specification; OVA; HNU; etc) _____

Specific Conductance, umhos/cm / / pH / /

Sampling Method and Material _____

CONTAINER DESCRIPTION

	Constituents Sampled	From Lab X or BBL	Preservative
1.	BTEX/MTBE/TPHG	40 ML VIALS	HCL
2.	TPHd		
3.			
4.			
5.			
6.			
7.			

Remarks

Sampling Personnel

WELL CASING VOLUMES				
GAL./FT.	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

5" =

13951047N

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WATER SAMPLING LOG

Project No. UPS - Oakland Hub Page _____ of _____

Site Location 6400 Foothill Dr., Oakland.

~~Site~~/Well No. _____ Coded/ Replicate No. _____ Date 9/ /03

Weather _____ Time Sampling Began _____ Time Sampling Completed _____

EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Below Land Surface _____ (feet)
Total Sounded Depth (TD) of Well Below MP _____ (feet)
Depth to Water (DTW) Below MP _____ (feet)

MP Elevation _____ (feet)
Water-Level Elevation _____ (feet)
Diameter of Casing/ Construction Type _____
Gallons Pumped/Bailed Prior to Sampling (GAL x 5 VOL x PUMP RATE) _____

Water Column (WC) in Well (TD - DTW) _____ (feet)
Gallons per Foot (GPF) _____
Gallons in Well (WC x GPF) _____

Sampling Pump Intake (feet below land surface) _____

Evacuation Method _____

SAMPLING DATA/FIELD PARAMETERS

Color _____ Odor _____ Appearance _____ Temperature ___/___/___ °F/°C

Other (specification; OVA; HNU; etc) _____

Specific Conductance, umhos/cm ___/___/___ pH ___/___/___

Sampling Method and Material _____

CONTAINER DESCRIPTION

	Constituents Sampled	From Lab X or BBL ___	Preservative
1.	BTEX/MTBE/TPHg-TPHd	40 ML VIALS	HCL
2.			—
3.			
4.			
5.			
6.			
7.			

Remarks

Sampling Personnel

WELL CASING VOLUMES				
GAL./FT.	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

5" =

13951047N

WELL GAUGING DATA

Project # 030925-ow1 Date 9-25-03 Client BP/L @ UFS

Site 8400 Pardee Drive Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					4.10	14.30	TOC	
MW-2	4		4.96	.01	25	4.97	14.40		
MW-3	4					4.06	14.55		
OW-1	6		6.51	.01	25	6.52	18.40		

WELLHEAD INSPECTION CHECKLIST

Client BP L @ UPS Date 9-25-03

Site Address 8400 Pardee Drive Oakland

Job Number 030925-DW-4 Technician Dave W.

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
mw-1	X							
mw-2	X							
mw-3	X							
OW-1						X		

NOTES: OW-1 Rim is loose

WELL MONITORING DATA SHEET

Project #: 030925-DW-4	Client: BB+L @UBS
Sampler: Dave Walter	Start Date: 9-25-03
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.40	Depth to Water: 4.97
Before: After:	Before: After:
Depth to Free Product: 4.96	Thickness of Free Product (feet): .01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:_____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

6.1 (Gals.) X 3 = 18.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
15:35	Bailed 25 ml SPH from well					
15:46	no parameters		taken. Very	oily	6.1	
	well dewatered @ 9 gl			DTW=	12.40	
16:20	no parameters		taken. Very	oily. Sheen		
	Used NP Voa's					

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Time: 16:20 Sampling Date: 9-25-03

Sample I.D.: MW-2 Laboratory: STL

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) @ Time Other:

Equipment Blank I.D.: Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 030925-DW-4	Client: BB&C @ UPS
Sampler: Dave Walter	Start Date: 9-25-03
Well I.D.: OW-1	Well Diameter: 2 3 4 6 8 5"
Total Well Depth: 18.40	Depth to Water: 6.52
Before: After:	Before: After:
Depth to Free Product: 6.51	Thickness of Free Product (feet): .01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other

Sampling Method:

- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:

11.9 (Gals.) X 3 = 35.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
15:26	73.2	6.5	4098	49	12	sheen/odor
	well dewatered @ 21 gl. DTW=16.40 24					
15:00	bailed 25 ml SPH from well					
16:00	no parameters. Heavy product on bailer.					
	used MP Vog's					

Did well dewater? (Yes) No		Gallons actually evacuated: 21	
Sampling Time: 16:00		Sampling Date: 9-25-03	
Sample I.D.: OW-1		Laboratory: STL	
Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other:			
Equipment Blank I.D.: @ Time		Duplicate I.D.:	
Analyzed for: TPH-G BTEX MTBE TPH-D Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd): Pre-purge:	mV	Post-purge:	mV

SPH or Purge Water Drum Log

Client: BP/ARCO 485

Site Address: 4800 Border Drive Oakland

STATUS OF DRUM(S) UPON ARRIVAL						
Date	8-25-03	9/25/03				
Number of drum(s) empty:						
Number of drum(s) 1/4 full:	1 (1/3)	1 (1/3) SPH				
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:	1	1 (Purge water)				
Total drum(s) on site:	2					
Are the drum(s) properly labeled?	yes	yes				
Drum ID & Contents:	SPH + Purge water	→				
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	8-25-03	9/25/03				
Number of drums empty:						
Number of drum(s) 1/4 full:	1 (1/3)					
Number of drum(s) 1/2 full:		1 @ SPH layer				
Number of drum(s) 3/4 full:						
Number of drum(s) full:	1					
Total drum(s) on site:	2	2				
Are the drum(s) properly labeled?	yes	yes				
Drum ID & Contents:	SPH + purge water	→				

LOCATION OF DRUM(S)
Describe location of drum(s): Drums located near Sea container on NE side of bldg (in corner behind trailer)

FINAL STATUS						
Number of new drum(s) left on site this event	∅	1				
Date of inspection:	8/25	9/25/03				
Drum(s) labelled properly:	Y	y				
Logged by BTS Field Tech:	DW	DW				

Appendix C

Laboratory Analytical Data
UPS-Oakland Center

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

SEVERN TRENT STL

Submission#: 2003-09-0323

Blasland, Bouck & Lee, Inc.

September 29, 2003

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144

Attn.: Hugh B. Devery

Project#: 369.73
Project: UPS-Oakland
Site: UPS- Oakland, CA

Dear Mr. Devery:

Attached is our report for your samples received on 09/09/2003 14:00
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/24/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,

Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-09-0323

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/09/2003 09:00	Water	1
MW-3	09/09/2003 09:55	Water	2

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-1	Lab ID:	2003-09-0323 - 1
Sampled:	09/09/2003 09:00	Extracted:	9/19/2003 09:51
Matrix:	Water	QC Batch#:	2003/09/19-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	11000	250	ug/L	5.00	09/24/2003 15:12	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	09/24/2003 15:12	sd

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	**MW-3**	Lab ID:	2003-09-0323 - 2
Sampled:	09/09/2003 09:55	Extracted:	9/19/2003 09:51
Matrix:	Water	QC Batch#:	2003/09/19-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	73000	250	ug/L	5.00	09/23/2003 19:12	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	09/23/2003 19:12	sd

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Batch QC Report

Prep(s): 3510/8015M
Method Blank
MB: 2003/09/19-03.10-001

Water

Test(s): 8015M
QC Batch # 2003/09/19-03.10
Date Extracted: 09/19/2003 09:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	09/22/2003 11:13	
Surrogates(s)					
o-Terphenyl	76.1	60-130	%	09/22/2003 11:13	

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2003/09/19-03.10**

LCS 2003/09/19-03.10-002 Extracted: 09/19/2003 Analyzed: 09/22/2003 10:11

LCSD 2003/09/19-03.10-003 Extracted: 09/19/2003 Analyzed: 09/22/2003 10:42

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	723	600	1000	72.3	60.0	18.6	60-130	25		
Surrogates(s)										
o-Terphenyl	15.0	12.4	20.0	74.9	62.1		60-130	0		

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

SEVERN TRENT STL

Submission #: 2003-09-0323

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/09/2003 09:00	Water	1
MW-3	09/09/2003 09:55	Water	2

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Prep(s): 5030B
Sample ID: **MW-1**
Sampled: 09/09/2003 09:00
Matrix: Water

Test(s): 8260B
Lab ID: 2003-09-0323 - 1
Extracted: 9/17/2003 22:24
QC Batch#: 2003/09/17-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	440	50	ug/L	1.00	09/17/2003 22:24	g
Methyl tert-butyl ether (MTBE)	0.60	0.50	ug/L	1.00	09/17/2003 22:24	
Benzene	ND	0.50	ug/L	1.00	09/17/2003 22:24	
Toluene	ND	0.50	ug/L	1.00	09/17/2003 22:24	
Ethylbenzene	ND	0.50	ug/L	1.00	09/17/2003 22:24	
Total xylenes	ND	1.0	ug/L	1.00	09/17/2003 22:24	
Surrogate(s)						
1,2-Dichloroethane-d4	91.3	76-114	%	1.00	09/17/2003 22:24	
Toluene-d8	100.6	88-110	%	1.00	09/17/2003 22:24	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2003-09-0323 - 2
Sampled:	09/09/2003 09:55	Extracted:	9/17/2003 22:46
Matrix:	Water	QC Batch#:	2003/09/17-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	700	50	ug/L	1.00	09/17/2003 22:46	g
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/17/2003 22:46	
Benzene	ND	0.50	ug/L	1.00	09/17/2003 22:46	
Toluene	ND	0.50	ug/L	1.00	09/17/2003 22:46	
Ethylbenzene	ND	0.50	ug/L	1.00	09/17/2003 22:46	
Total xylenes	ND	1.0	ug/L	1.00	09/17/2003 22:46	
Surrogate(s)						
1,2-Dichloroethane-d4	102.2	76-114	%	1.00	09/17/2003 22:46	
Toluene-d8	93.8	88-110	%	1.00	09/17/2003 22:46	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2003/09/17-2B.69**

MB: 2003/09/17-2B.69-038 — Date Extracted: 09/17/2003 20:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/17/2003 20:38	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/17/2003 20:38	
Benzene	ND	0.5	ug/L	09/17/2003 20:38	
Toluene	ND	0.5	ug/L	09/17/2003 20:38	
Ethylbenzene	ND	0.5	ug/L	09/17/2003 20:38	
Total xylenes	ND	1.0	ug/L	09/17/2003 20:38	
Surrogates(s)					
1,2-Dichloroethane-d4	86.0	76-114	%	09/17/2003 20:38	
Toluene-d8	94.2	88-110	%	09/17/2003 20:38	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2003/09/17-2B.69**

LCS 2003/09/17-2B.69-055 Extracted: 09/17/2003 Analyzed: 09/17/2003 19:55
LCSD 2003/09/17-2B.69-017 Extracted: 09/17/2003 Analyzed: 09/17/2003 20:17

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3	23.4	25	93.2	93.6	0.4	65-165	20		
Benzene	20.7	22.3	25	82.8	89.2	7.4	69-129	20		
Toluene	21.4	21.8	25	85.6	87.2	1.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	469	466	500	93.8	93.2		76-114			
Toluene-d8	464	464	500	92.8	92.8		88-110			

SEVERN TRENT STL

Submission #: 2003-09-0323

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: 369.73
UPS-Oakland

Received: 09/09/2003 14:00

Site: UPS- Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

2003-09-0323 Serial Number 13844 77727

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location: STL-SAV FRAN. Phone: Fax:

PROJECT REFERENCE: UPS-Oakland	PROJECT NO.: 369.73	PROJECT LOCATION (STATE): CA	PAGE: OF
STL (LAB) PROJECT MANAGER: TOD G.	P.O. NUMBER:	CONTRACT NO.: MSA	STANDARD REPORT DELIVERY: ⊘ DATE DUE: 10 w. days
CLIENT (SITE) PM: HOEVEN	CLIENT PHONE: 770428 9059 EXT 11	CLIENT FAX: 7704284004	EXPEDITED REPORT DELIVERY (SURCHARGE): ○ DATE DUE:
CLIENT NAME: UPS-Oakland	CLIENT E-MAIL: HBD @ BBL-INC		
CLIENT ADDRESS: UPS- Atlanta, GA			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable): UPS per MSA			

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: BTEX/MTBE	TPH-D	HCl	1-PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9/9/03	9:00AM	MW-1	G	✓				3	2				
9/9/03	9:55	MW-3	G	✓				3	2				3.6°C

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	9/9/03	2pm			
RECEIVED BY: (SIGNATURE) [signature]	DATE 9/8/03	TIME 6AM	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE) Denise Harrington	DATE 9/9/03	TIME 1400

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS

STL8240-680 (12/02)

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 09 - 0323

Checklist completed by: (initials) NL Date: 09/10/03

Courier name: ☐ STL San Francisco ☒ Client _____

Custody seals intact on shipping container/samples		Yes___ No___ Not Present ✓
Chain of custody present?		Yes ✓ No___
Chain of custody signed when relinquished and received?		Yes ✓ No___
Chain of custody agrees with sample labels?		Yes___ No ✓
Samples in proper container/bottle?		Yes ✓ No___
Sample containers intact?		Yes ✓ No___
Sufficient sample volume for indicated test?		Yes ✓ No___
All samples received within holding time?		Yes ✓ No___
Container/Temp Blank temperature in compliance (4° C ± 2)?	Temp: 3.6°C	Yes ✓ No___
	Ice Present	Yes ✓ No___
Water - VOA vials have zero headspace?	No VOA vials submitted___	Yes ✓ No___

(if bubble is present, refer to approximate bubble size and itemize in comments as **S** (small ~O), **M** (medium ~ O) or **L** (large ~ O)

Water - **pH acceptable upon receipt?** ☑ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: Sample: 1 ; 3 : No Date of Sample

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/03

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

SEVERN TRENT STL

Submission#: 2003-09-1056

Blasland, Bouck & Lee, Inc.

October 16, 2003

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144

Attn.: Hugh B. Devery
Project: UPS
Site: 8400 Pardee Drive, Oakland, CA

Dear Mr. Devery:

Attached is our report for your samples received on 09/26/2003 17:40
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/10/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,

Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-09-1056

Gasoline

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	09/25/2003 13:20	Water	1
OW-1	09/25/2003 16:00	Water	2

Gasoline

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s):	5030	Test(s):	8015M
Sample ID:	**MW-2**	Lab ID:	2003-09-1056 - 1
Sampled:	09/25/2003 13:20	Extracted:	10/6/2003 11:20
Matrix:	Water	QC Batch#:	2003/10/06-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	150	50	ug/L	1.00	10/06/2003 11:20	g
Surrogate(s)						
4-Bromofluorobenzene-FID	81.0	50-150	%	1.00	10/06/2003 11:20	

Gasoline

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s):	5030	Test(s):	8015M
Sample ID:	**OW-1**	Lab ID:	2003-09-1056 - 2
Sampled:	09/25/2003 16:00	Extracted:	10/6/2003 11:52
Matrix:	Water	QC Batch#:	2003/10/06-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220	50	ug/L	1.00	10/06/2003 11:52	g
Surrogate(s)						
4-Bromofluorobenzene-FID	93.5	50-150	%	1.00	10/06/2003 11:52	

Gasoline

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Method Blank

Water

QC Batch # 2003/10/06-01.05

MB: 2003/10/06-01.05-004

Date Extracted: 10/06/2003 08:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/06/2003 08:40	
Surrogates(s)					
4-Bromofluorobenzene-FID	90.2	50-150	%	10/06/2003 08:40	

Gasoline

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2003/10/06-01.05**

LCS 2003/10/06-01.05-007 Extracted: 10/06/2003 Analyzed: 10/06/2003 10:16

LCSD 2003/10/06-01.05-008 Extracted: 10/06/2003 Analyzed: 10/06/2003 10:48

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	484	478	500	96.8	95.6	1.2	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	406	394	500	81.2	78.8		50-150	0		

Gasoline

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

SEVERN TRENT STL

Submission #: 2003-09-1056

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	09/25/2003 13:20	Water	1
OW-1	09/25/2003 16:00	Water	2

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2**	Lab ID:	2003-09-1056 - 1
Sampled:	09/25/2003 13:20	Extracted:	10/2/2003 12:37
Matrix:	Water	QC Batch#:	2003/10/02-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2003 12:37	
Benzene	0.52	0.50	ug/L	1.00	10/02/2003 12:37	
Toluene	ND	0.50	ug/L	1.00	10/02/2003 12:37	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2003 12:37	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2003 12:37	
Surrogate(s)						
1,2-Dichloroethane-d4	91.9	76-114	%	1.00	10/02/2003 12:37	
Toluene-d8	103.3	88-110	%	1.00	10/02/2003 12:37	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**OW-1**	Lab ID:	2003-09-1056 - 2
Sampled:	09/25/2003 16:00	Extracted:	10/2/2003 04:06
Matrix:	Water	QC Batch#:	2003/10/01-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	10/02/2003 04:06	
Benzene	ND	50	ug/L	100.00	10/02/2003 04:06	
Toluene	530	50	ug/L	100.00	10/02/2003 04:06	
Ethylbenzene	500	50	ug/L	100.00	10/02/2003 04:06	
Total xylenes	6200	100	ug/L	100.00	10/02/2003 04:06	
Surrogate(s)						
1,2-Dichloroethane-d4	90.9	76-114	%	100.00	10/02/2003 04:06	
Toluene-d8	98.3	88-110	%	100.00	10/02/2003 04:06	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2003/10/01-2A.64

MB: 2003/10/01-2A.64-017

Date Extracted: 10/01/2003 22:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	10/01/2003 22:17	
Toluene	ND	0.5	ug/L	10/01/2003 22:17	
Ethylbenzene	ND	0.5	ug/L	10/01/2003 22:17	
Total xylenes	ND	1.0	ug/L	10/01/2003 22:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/01/2003 22:17	
Surrogates(s)					
1,2-Dichloroethane-d4	77.9	76-114	%	10/01/2003 22:17	
Toluene-d8	96.0	88-110	%	10/01/2003 22:17	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

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Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2003/10/02-1C.65

MB: 2003/10/02-1C.65-038

Date Extracted: 10/02/2003 10:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/02/2003 10:38	
Benzene	ND	0.5	ug/L	10/02/2003 10:38	
Toluene	ND	0.5	ug/L	10/02/2003 10:38	
Ethylbenzene	ND	0.5	ug/L	10/02/2003 10:38	
Total xylenes	ND	1.0	ug/L	10/02/2003 10:38	
Surrogates(s)					
1,2-Dichloroethane-d4	94.0	76-114	%	10/02/2003 10:38	
Toluene-d8	102.2	88-110	%	10/02/2003 10:38	

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2003/10/01-2A.64**

LCS 2003/10/01-2A.64-033 Extracted: 10/01/2003 Analyzed: 10/01/2003 21:33

LCSD 2003/10/01-2A.64-055 Extracted: 10/01/2003 Analyzed: 10/01/2003 21:55

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	22.0	22.0	25	88.0	88.0	0.0	69-129	20		
Toluene	24.1	23.5	25	96.4	94.0	2.5	70-130	20		
Methyl tert-butyl ether (MTBE)	20.8	19.3	25	83.2	77.2	7.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	431	413	500	86.2	82.6		76-114			
Toluene-d8	491	484	500	98.2	96.8		88-110			

Fuel Oxygenates by 8260B

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2003/10/02-1C.65**

LCS 2003/10/02-1C.65-053 Extracted: 10/02/2003 Analyzed: 10/02/2003 09:53

LCSD 2003/10/02-1C.65-015 Extracted: 10/02/2003 Analyzed: 10/02/2003 10:15

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	18.2	19.0	25	72.8	76.0	4.3	65-165	20		
Benzene	21.2	21.9	25	84.8	87.6	3.2	69-129	20		
Toluene	22.3	22.8	25	89.2	91.2	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	452	449	500	90.4	89.8		76-114			
Toluene-d8	513	506	500	102.6	101.2		88-110			

SEVERN TRENT STL

Submission #: 2003-09-1056

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	09/25/2003 13:20	Water	1
OW-1	09/25/2003 16:00	Water	2

Diesel

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: **MW-2**

Lab ID: 2003-09-1056 - 1

Sampled: 09/25/2003 13:20

Extracted: 10/1/2003 05:57

Matrix: Water

QC Batch#: 2003/10/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	12000	250	ug/L	5.00	10/02/2003 20:12	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	10/02/2003 20:12	sd

Diesel

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: **OW-1**

Lab ID: 2003-09-1056 - 2

Sampled: 09/25/2003 16:00

Extracted: 10/1/2003 05:57

Matrix: Water

QC Batch#: 2003/10/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	91000	2000	ug/L	40.00	10/02/2003 20:43	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	40.00	10/02/2003 20:43	sd

Diesel

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank

Water

QC Batch # 2003/10/01-01.10

MB: 2003/10/01-01.10-001

Date Extracted: 10/01/2003 05:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/01/2003 14:35	
Surrogates(s)					
o-Terphenyl	80.7	60-130	%	10/01/2003 14:35	

Diesel

Blasland, Bouck & Lee, Inc.

Attn.: Hugh B. Devery

975 Cobb Place Blvd., Ste. 311
Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2003/10/01-01.10**

LCS 2003/10/01-01.10-002 Extracted: 10/01/2003 Analyzed: 10/01/2003 12:19

LCSD 2003/10/01-01.10-003 Extracted: 10/01/2003 Analyzed: 10/01/2003 13:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	786	784	1000	78.6	78.4	0.3	60-130	25		
Surrogates(s)										
o-Terphenyl	17.0	16.8	20.0	85.2	84.1		60-130	0		

Diesel

Blasland, Bouck & Lee, Inc.
Attn.: Hugh B. Devery

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Kennesaw, GA 30144
Phone: (770) 428-9009 Fax: (770) 428-4004

Project: UPS

Received: 09/26/2003 17:40

Site: 8400 Pardee Drive, Oakland, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

2003-09-1056

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 030925-DW-4

CLIENT: Blasland, Bouck, & Lee, Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: STL 79220 | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Blasland, Bouck,& Lee, Inc.
Attn: Hugh Devery
707-428-9009

3.6°C

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-GAS (8015)	BTEX & MTBE (8260)	TPH-D (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-2	9-25	16:20	W	8	HCl Ambers NP Voa's		X	X	X				
OW-1	9-25	16:00	W	8	HCl Ambers NP Voa's		X	X	X				

SAMPLING COMPLETED: DATE 9-25-03 TIME 16:30
SAMPLING PERFORMED BY: Dave Walter

RESULTS NEEDED NO LATER THAN: As contracted

RELEASED BY: David C. Clark	DATE 9/26/03	TIME 1415	RECEIVED BY		DATE 9/26/03	TIME 1410
RELEASED BY	DATE 9/26/03	TIME 1740	RECEIVED BY		DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY: Nowak		DATE 9/26/03	TIME 1740

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 09 - 1056

Checklist completed by: (initials) DSH Date: 09/29/03

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp: 3.6 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted___ Yes ✓ No___	

(if bubble is present, refer to approximate bubble size and itemize in comments as **S** (small ~O), **M** (medium ~ O) or **L** (large ~ O)

Water - **pH acceptable upon receipt?** ☒ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/03

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____